

Also included was a control group where only vaginal examination was performed.

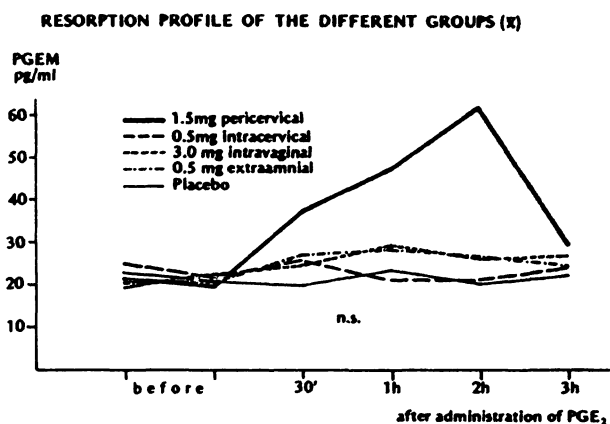


Fig. 2 (\bar{x} , $n = 5$)

of the portio adapter. Clinically hyperstimulation was diagnosed and the adapter removed. Levels then dropped to 35 pg/ml within an hour.

Conclusions:

1. Local administration of PGE_2 in doses currently used to induce labor at term in general does not lead to increased PGEM levels in the maternal peripheral plasma.
2. Exceptionally a marked rise in PGEM concentration in the peripheral plasma can be shown after pericervical application of 1,5mg PGE_2 or after intravaginal administration of 3 mg PGE_2 .
3. Concentration of PGEM in the maternal peripheral plasma after local administration of PGE_2 does not correlate with the outcome of induction.

Literature:

1. Bothwell, W. et al.: A Radioimmunoassay for the Unstable Pulmonary Metabolites of Prostaglandin E_1 and E_2 : An Indirect Index of Their in Vivo Disposition and Pharmacokinetics. J. Pharmacol. Exp. Ther. 220 (1982) 229
2. Husslein, P.: Die physiologische Bedeutung von Prostaglandinen für den Geburtsmechanismus beim Menschen. Wien. klin. Wschr. 20 (1982) 542.
3. Husslein, P., W. Grünberger, E. Kofler: Prostaglandine in der Geburtshilfe. Physiologische Erkenntnisse als Basis des therapeutischen Vorgehens. Münch. med. Wschr. 125 (1983) Nr. 27, 648-650

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As shown in Fig. 2 there were no significant changes of PGEM concentration in the maternal plasma after any of these methods of application of PGE_2 . The non-significant tendency of PGEM levels to increase in the portio adapter group was due to levels of 1 individual female in whom PGEM concentration rose to 105 pg/ml and 198 pg/ml 1 and 2 hours after administration